

# RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/553,453

Source: 1 FWP

Date Processed by STIC: 11/14/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 11/14/2006

PATENT APPLICATION: US/10/553,453

TIME: 08:35:09

Input Set : F:\seq.txt

Output Set: N:\CRF4\11142006\J553453.raw

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3 <110> APPLICANT: Her Majesty the Queen in Right of Canada as Represented by
4     the Minister of Health
5     Czub, Markus
6     Grolla, Allen
8 <120> TITLE OF INVENTION: Kit for Molecular Identification of Smallpox
10 <130> FILE REFERENCE: 85084-503
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/553,453
C--> 12 <141> CURRENT FILING DATE: 2005-10-17
12 <150> PRIOR APPLICATION NUMBER: US 60/463333
13 <151> PRIOR FILING DATE: 2004-04-17
15 <160> NUMBER OF SEQ ID NOS: 25
17 <170> SOFTWARE: PatentIn version 3.2
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 22
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial
24 <220> FEATURE:
25 <223> OTHER INFORMATION: synthetic primer or template
27 <400> SEQUENCE: 1
28 atgccggtac ttatgtatgt gc                                22
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32 <211> LENGTH: 20
33 <212> TYPE: DNA
34 <213> ORGANISM: Artificial
36 <220> FEATURE:
37 <223> OTHER INFORMATION: synthetic primer or template
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40 tcttgtctgt tgtggattct                                20
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44 <211> LENGTH: 18
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial
48 <220> FEATURE:
49 <223> OTHER INFORMATION: synthetic primer or template
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52 taccggtctc agcgaatc                                    18
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 20
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial
60 <220> FEATURE:
61 <223> OTHER INFORMATION: synthetic primer or template
63 <400> SEQUENCE: 4

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64 accgtctccg aatgcggcat                                     20
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 330
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial
72 <220> FEATURE:
73 <223> OTHER INFORMATION: synthetic primer or template
75 <400> SEQUENCE: 5
76 atgccggtac ttatgtatgt gcattcttta tgacatcaac tacaaatgat actgataaag      60
77 tagattatga agaatactct acagagttga ttgtaaacac agatagtga tgcactatag      120
78 acataatact atctggatct tcacattcac cggaaactag ttctgagaaa cctgattata      180
79 taaataattt taattgctcg ttggtatttg aaatcgcgac tccgggacca attactgata      240
80 atgtagaaaa tcatacagac actgtcacat acactagtga tatcattaat acagtaagta      300
81 catcatctgg agaatccaca acagacaaga                                     330
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 274
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial
94 <220> FEATURE:
95 <223> OTHER INFORMATION: synthetic primer or template
97 <400> SEQUENCE: 6
98 taccggtctc agcgaatcca tcttaacgct ggaactaact attactatga atcatacaga      60
99 ttgcaatccc gtatttcgtg aggaatactt ctctgtcctt aataaggtag caacttcagg      120
100 atttttttaca ggagaaaata gatatcaaaa tatttcaaag gtgtgtactt taaattttga      180
101 gattaaatgt aataacaaag gttcttcctt caaacagcta acgaaagcaa agaatgatga      240
102 cggtatgatg tcgcattcgg agacggtaac tcta                                     274
109 <210> SEQ ID NO: 7
110 <211> LENGTH: 324
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial
114 <220> FEATURE:
115 <223> OTHER INFORMATION: synthetic primer or template
117 <400> SEQUENCE: 7
118 atgccggtac ttatatatgt gcattcttta tgacatcgac tacaaatgat actgataaag      60
119 tagattatga agaatactcc atagagttga ttgtaaatac agatagtga tgcactatag      120
120 acataatact atctggatct acaccgaaa ctatttctga gaaaccagag gatatagata      180
121 attctaattg ctctgtctgta ttcgaaatcg cgactccgga accaattact gataatgtag      240
122 aagaccatac agacaccgct acatacacta gtgatagcat taatacagta aatgcatcat      300
123 ctggagaatc cacaacagac gaga                                     324
131 <210> SEQ ID NO: 8
132 <211> LENGTH: 264
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial
136 <220> FEATURE:
137 <223> OTHER INFORMATION: synthetic primer or template
139 <400> SEQUENCE: 8
140 taccggtctc agcgaatcca tctcaacgct ggaactaact attaccatga atcataaaga      60
141 ttgtgatccc gtctttcgtg cagaatactt ctctgtcctt aataatgtag caacttcagg      120
142 attctttaca ggagaaaata gatatcagaa tacttcaaag atatgtactc tgaatttcga      180

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146 gattaaatgt aacaacaaag attcatcttc caaacagtta acgaaaacaa agaatgatac      240
148 tatcatgccg cattcagaga cggg                                264
151 <210> SEQ ID NO: 9
152 <211> LENGTH: 71
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial
156 <220> FEATURE:
157 <223> OTHER INFORMATION: synthetic primer or template
159 <400> SEQUENCE: 9
160 atgccggtac ttatatatgt gcattcttta tgacatcaag cttgccggccg ctgcagacta      60
162 caaatgatac t                                              71
165 <210> SEQ ID NO: 10
166 <211> LENGTH: 64
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial
170 <220> FEATURE:
171 <223> OTHER INFORMATION: synthetic primer or template
173 <400> SEQUENCE: 10
174 taccgggtctc agcgaatcca tctyaagctt gcgggccgctg cagaacgtcg gaactaacta      60
176 ttac                                                    64
179 <210> SEQ ID NO: 11
180 <211> LENGTH: 69
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial
184 <220> FEATURE:
185 <223> OTHER INFORMATION: synthetic primer or template
187 <400> SEQUENCE: 11
188 cgtctctgaa tgccggcatga tagtatcatt ctttgtctgc agcgggccgca agctttcgtt      60
190 aactgtttg                                              69
193 <210> SEQ ID NO: 12
194 <211> LENGTH: 84
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial
198 <220> FEATURE:
199 <223> OTHER INFORMATION: synthetic primer or template
201 <400> SEQUENCE: 12
202 atgccggtac ttatctatgt gcattcttta tgacatcaac tacaaatgat actaataaag      60
204 tagattatga agaatactct acag                                84
207 <210> SEQ ID NO: 13
208 <211> LENGTH: 103
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial
212 <220> FEATURE:
213 <223> OTHER INFORMATION: synthetic primer or template
215 <400> SEQUENCE: 13
216 ctcagaacta gtttccggtg aatgtgaaga tccagatagt attatgtcta tagtcgattc      60
218 actatctgtg ttacaatca actctgtaga gtattcttca taa          103
221 <210> SEQ ID NO: 14
222 <211> LENGTH: 103

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223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial
226 <220> FEATURE:
227 <223> OTHER INFORMATION: synthetic primer or template
229 <400> SEQUENCE: 14
230 caccggaac tagttctgag aaacctgatt atataaataa ttttaattgc tcgttggtat      60
232 ttgaaatcgc gactccggga ccaattactg ataatgtaga aaa                      103
235 <210> SEQ ID NO: 15
236 <211> LENGTH: 99
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial
240 <220> FEATURE:
241 <223> OTHER INFORMATION: synthetic primer or template
243 <400> SEQUENCE: 15
244 tcttgtctgt tgtggattct ccagatgatg tacttactgt attaatgata tcactagtta      60
246 tgtgacagtg tctgtatgat tttctacatt atcagtaat                          99
249 <210> SEQ ID NO: 16
250 <211> LENGTH: 84
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial
254 <220> FEATURE:
255 <223> OTHER INFORMATION: synthetic primer or template
257 <400> SEQUENCE: 16
258 atgccggtac ttatatatgt gcattcttta tgacatcgac tacaaatgat actgataaag      60
260 tagattatga agaatactcc atag                                           84
263 <210> SEQ ID NO: 17
264 <211> LENGTH: 99
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial
268 <220> FEATURE:
269 <223> OTHER INFORMATION: synthetic primer or template
271 <400> SEQUENCE: 17
272 ctcagaaata gtttccggtg tagatccaga tagtattatg tctatagtcg attcactatc      60
274 tgtatttaca atcaactcta tggagtattc ttcataatc                          99
277 <210> SEQ ID NO: 18
278 <211> LENGTH: 102
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial
282 <220> FEATURE:
283 <223> OTHER INFORMATION: synthetic primer or template
285 <400> SEQUENCE: 18
286 caccggaac tatttctgag aaaccagagg atatagataa ttctaattgc tcgtctgtat      60
288 cgaaatcgcg actccggaac caattactga taatgtagaa ga                      102
291 <210> SEQ ID NO: 19
292 <211> LENGTH: 104
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial
296 <220> FEATURE:
297 <223> OTHER INFORMATION: synthetic primer or template

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Input Set : F:\seq.txt

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299 <400> SEQUENCE: 19
300 tctcgtctgt tgtggattct ccagatgatg catttactgt attaatgcta tcactagtgt      60
302 atgtgacggg gtctgtatgg tcttctacat tatcagtaat tggg                      104
305 <210> SEQ ID NO: 20
306 <211> LENGTH: 115
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial
310 <220> FEATURE:
311 <223> OTHER INFORMATION: synthetic primer or template
313 <400> SEQUENCE: 20
314 taccgggtctc agcgaatcca tcttaacgtc ggaactaact attactatga atcatacaga      60
316 ttgcaatccc gtatttcgtg aggaatactt ctctgtcctt aataaggtag caact          115
319 <210> SEQ ID NO: 21
320 <211> LENGTH: 112
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial
324 <220> FEATURE:
325 <223> OTHER INFORMATION: synthetic primer or template
327 <400> SEQUENCE: 21
328 agaacctttg ttattacatt taatctcaaa atttaaagta cacacctttg aaatattttg      60
330 atatctatct tctcctgtaa aaaatcctga agttgctacc ttattaagga ca            112
333 <210> SEQ ID NO: 22
334 <211> LENGTH: 114
335 <212> TYPE: DNA
336 <213> ORGANISM: Artificial
338 <220> FEATURE:
339 <223> OTHER INFORMATION: synthetic primer or template
341 <400> SEQUENCE: 22
342 aaatgtaata acaaagggttc ttccttcaaa cagctaacga aagcaaagaa tgatgacggg      60
344 atgatgtcgc attcggagac ggtaactcta gcgggtgact gtctatctag cgtc          114
347 <210> SEQ ID NO: 23
348 <211> LENGTH: 115
349 <212> TYPE: DNA
350 <213> ORGANISM: Artificial
352 <220> FEATURE:
353 <223> OTHER INFORMATION: synthetic primer or template
355 <400> SEQUENCE: 23
356 taccgggtctc agcgaatcca tctcaacgtc ggaactaact attaccatga atcataaaga      60
358 ttgtgatccc gtctttcgtg cagaatactt ctctgtcctt aataatgtag caact          115
361 <210> SEQ ID NO: 24
362 <211> LENGTH: 113
363 <212> TYPE: DNA
364 <213> ORGANISM: Artificial
366 <220> FEATURE:
367 <223> OTHER INFORMATION: synthetic primer or template
369 <400> SEQUENCE: 24
370 gatgaatctt tgttggtaca tttaatctcg aaattcagag tacatatctt tgaagtattc      60
372 tgatatctat tttctcctgt aaagaatcct gaagttgcta cattattaag gac            113
375 <210> SEQ ID NO: 25

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/553,453

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/553,453

DATE: 11/14/2006

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Input Set : F:\seq.txt

Output Set: N:\CRF4\11142006\J553453.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date